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Calculated for C₂₉H₃₈N₄O₉S₁•0.33 CF₃COOH: C, 54.26; H, 5.88; N, 8.53.

Found: C, 54.26; H, 5.93; N, 8.55.

EXAMPLE 3b

5 3-[2-(2-Benzylloxycarbonylamino-4-carboxy-butyrylamino)-3-methylbutyrylamino]-4-oxo-5-(2-phenyl-ethanesulfonylamino)-pentanoic acid

EXAMPLE 3c

10 3-{2-[4-Carboxy-2-(3-phenyl-propionylamino)-butyrylamino]-3-methylbutyrylamino}-4-oxo-5-(2-phenyl-ethanesulfonylamino)-pentanoic acid

Calculated for C₃₂H₄₂N₄O₁₀S₁•0.24 CF₃COOH: C, 55.56; H, 6.06; N, 7.98.

10 Found: C, 55.56; H, 6.23; N, 8.07.

EXAMPLE 3d

15 3-(2-{2-Acetyl-amino-3-(4-hydroxy-phenyl)-propionylamino}-4-carboxybutyrylamino)-3-methyl-butyrylamino)-4-oxo-5-(2-phenyl-ethanesulfonylamino)-pentanoic acid

The following compounds were prepared according to the procedure of Example 2a from the corresponding protected di, tri or tetrapeptide bromomethylketones and tert-butyl[7,7-dimethyl-2-oxo-bicyclo[2.2.1]hept-1-ylmethanesulfonyl]carbamate:

EXAMPLE 4a

20 3-(2-Acetyl-amino-3-methyl-butyrylamino)-5-(7,7-dimethyl-2-oxo-bicyclo[2.2.1]hept-1-(S)-ylmethanesulfonylamino)-4-oxo-pentanoic acid

MS (AP+): 502.

IR (KBr, cm⁻¹): 3338, 2965, 1738, 1653, 1540, 1395, 1328, 1148.